

**System and Method for Heuristically Optimizing a
Large Set of Automated Test Sets**

ABSTRACT

A system and method for heuristically optimizing a
5 large set of automated test sets is presented. An
automation control engine is used as a front end to a
system automation engine. The automation control engine
provides a set of input parameters, such as a buffer size
and queue size, to the system automation engine. The
10 system automation engine uses the input parameters along
with a set of test sequences, to test a system under test.
The system automation engine receives output variables from
the system under test based upon the test, and sends the
output variables to automation control engine. The
15 automation control engine adjusts the input parameter
values until the output variables meet one or more
performance goals.